

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 1009 | (mass near spectromet\$4) and (m/q m/z mass-to-charge or (mass adj to adj charge)) and ((lens or optic\$3 or quadrupole) with (select\$4 or filter\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 17:01 |
| L2 | 228 | I1 and (collision near cell) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:15 |
| L3 | 228 | I2 and ion | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 15:58 |
| L4 | 228 | I3 and ((m/q m/z mass-to-charge or (mass adj to adj charge)) with (m/q m/z mass-to-charge or (mass adj to adj charge))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:01 |
| L5 | 225 | I4 and gas | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:02 |
| L6 | 105 | I5 and plasma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:03 |
| L7 | 27 | I6 and (gas with remov\$4 with ion) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:31 |
| L8 | 27 | I7 and pressur\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:04 |

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| L9 | 0 | l8 and artifact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:08 |
| L10 | 52 | l1 and artifact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:08 |
| L11 | 10 | l10 and unwanted\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:13 |
| L12 | 10 | l11 and ion | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:13 |
| L13 | 2 | l12 and (collision near cell) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:16 |
| L14 | 1 | l5 and ((remov\$5 or filter\$3) with artifact) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:34 |
| L15 | 1 | (m/q m/z mass-to-charge or (mass adj to adj charge)) and ((lens or optic\$3 or quadrupole) with (select\$4 or filter\$4))and ((remov\$5 or filter\$3) with artifact) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:36 |
| L16 | 20 | ion and artifact and (collision near1 cell) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:35 |

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| L17 | 21 | ion and artifact and (collision near1 (chamber or cell)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:45 |
| L18 | 1 | I17 and (m/q m/z mass-to-charge or (mass adj to adj charge)) and ((lens or optic\$3 or quadrupole) and (select\$4 or filter\$4))and ((remov\$5 or filter\$3) with artifact) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:39 |
| L19 | 17 | I17 and (m/q m/z mass-to-charge or (mass adj to adj charge)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:37 |
| L20 | 17 | I19 and (filter\$4 or select\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:37 |
| L21 | 17 | I20 and (optic\$4 or lens or quadrupole or multipole or guid\$3 or sector) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 16:40 |
| L22 | 20 | I17 and (spectromet\$4 or analyzer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 17:00 |
| L23 | 755 | ((remov\$4 or filter\$3) with artifact) and (spectromet\$4 or analyzer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 17:01 |
| L24 | 37 | I23 and collision | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 17:01 |

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| L25 | 26 | I24 and ion | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 17:01 |
| L26 | 6 | "I26" and (mass near spectromet\$4) and (m/q m/z mass-to-charge or (mass adj to adj charge)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 17:03 |
| L27 | 9 | "I26" and (m/q m/z mass-to-charge or (mass adj to adj charge)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 17:04 |
| L28 | 18 | (artifact near5 ion) and (m/q m/z mass-to-charge or (mass adj to adj charge)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 17:04 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 173 | (unwanted or undesired) and ion and (collision near1 (chamber or cell)) and gas | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 19:49 |
| L2 | 144 | I1 and (mass near1 (spectrometer or analyzer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 19:50 |
| L3 | 116 | I2 and (mass-to-charge or (mass adj to adj charge) or m/q or m/z) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 20:14 |
| L4 | 71 | I3 and (high near4 (vacuum or pressure)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 19:51 |
| L5 | 71 | I4 and gas | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 19:51 |
| L6 | 1 | I5 and artifact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 19:53 |
| L7 | 69 | I5 and (quadrupole or multipole or (ion near guide) or lens or sector) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 19:53 |
| L8 | 69 | I7 and (filter\$3 or select\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 19:54 |

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| L9 | 5 | l8 and (reduc\$4 with load\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 19:54 |
| L10 | 5 | l8 and ((decreas\$4 or reduc\$4) with load\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 19:55 |
| L11 | 20 | l8 and deflect\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 20:14 |
| L12 | 1 | l8 and (exact\$3 near4 (mass-to-charge or (mass adj to adj charge) or m/q or m/z)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 20:12 |
| L13 | 43 | l8 and ((filter\$3 or select\$4) with (mass-to-charge or (mass adj to adj charge) or m/q or m/z)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 20:15 |
| L14 | 41 | l13 and spectrum | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 20:16 |
| L15 | 40 | l13 and (mass near4 spectrum) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 20:16 |
| L16 | 0 | l15 and pressur | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 20:16 |

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| L17 | 40 | l15 and pressur\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/31 20:17 |
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